

Anti-PPARA Antibody

Catalog Number: M00600

About PPARA

Ligand-activated transcription factor. Key regulator of lipid metabolism. Activated by the endogenous ligand 1-palmitoyl- 2-oleoyl-sn-glycerol-3-phosphocholine (16:0/18:1-GPC). Activated by oleylethanolamide, a naturally occurring lipid that regulates satiety (By similarity). Receptor for peroxisome proliferators such as hypolipidemic drugs and fatty acids. Regulates the peroxisomal beta-oxidation pathway of fatty acids. Functions as transcription activator for the ACOX1 and P450 genes. Transactivation activity requires heterodimerization with RXRA and is antagonized by NR2C2.

Overview

Product Name	Anti-PPARA Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-PPARA Antibody (Catalog # M00600). Tested in IHC-P, IF, Flow Cytometry, WB application(s). This antibody reacts with Human, Mouse.
Application	Flow Cytometry, IF, IHC-P, WB
Clonality	Monoclonal 1331CT894.186.143
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q07869

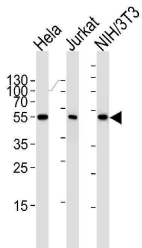
Technical Details

Immunogen	This PPARA antibody is generated from a mouse immunized with a recombination protein from the human region of human PPARA.
Predicted Reactive Species	Bovine, Mouse
Isotype	IgG1,kappa
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	IF: 1:25 WB: 1:1000 IHC-P: 1:25 FC: 1:25

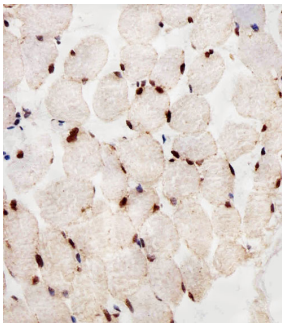
Anti-PPARA Antibody (M00600) Images



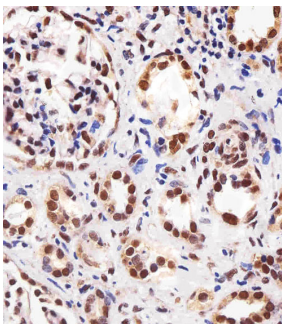
Fluorescent image of HeLa cells stained with PPARA Antibody. M00600 was diluted at 1:25 dilution. An Alexa Fluor® 488-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).



Western blot analysis of lysates from HeLa, Jurkat, mouse NIH/3T3 cell line (from left to right), using PPARA Antibody. M00600 was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:3000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

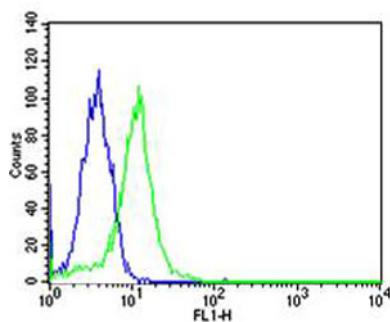


Immunohistochemical analysis of paraffin-embedded H. skeletal muscle section using PPARA Antibody. M00600 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Immunohistochemical analysis of paraffin-embedded H. kidney section using PPARA Antibody. M00600 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

Flow cytometric analysis of HeLa cells using PPARA Antibody (green, Cat#M00600) compared to an isotype control of mouse IgG1 (blue). M00600 was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody.



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Anti-PPARA Antibody

For Research Use Only. Not for use in diagnostic procedures.